AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1.   (currently amended): A method of processing an application request on an end user application and an application server including a transaction message formatter, said method comprising the steps of:

a)   initiating the application request on the end user application in a first language with a first application program;

b)   transmitting the application request to the application server and converting the application request from the first language of the first end user application to a second language of a form for the transaction message formatter running on the application server;

c)   processing said application request on the application server;

d)   transmitting a response to the application request from the application server to the end user application, and converting the response to the application request from the second language of the transaction message formatter running on the application server to the first language of the first end user application; and

e)   wherein the end user application and the application server have at least one connector therebetween, and the steps of (i) converting the application request from the first

language of the first end user application as a source language to the second language

running on the application server as a target language, and (ii) converting a-the response

to the application request from the second language running on the application server as a

source language to the first language of the first end user application as a target language,

each comprise the steps of:

1)   invoking connector metamodels of respective source language-and target

languages transaction message formatter;

2)   populating the connector metamodels with metamodel data of each of the

respective source language-and target languages transaction message formatter,

the metamodel data of the target transaction message formatter including a

message descriptor, logical page, password, segment, message field, device

descriptor, device type, device division, device page and device field; and

3)   converting the source language to the transaction message formattertarget

language.

2.   (original): The method of claim 1 wherein the end user application is a web browser.

3.   (original): The method of claim 2 wherein the end user application is connected to the

application server through a web server, and the web server comprises a connector.

4.   (original): The method of claim 1 wherein the metamodel comprises invocation

metamodel data, application domain interface metamodel data, transaction message metamodel

data, and type descriptor metamodel data.

5.   (currently amended): A transaction processing system comprising a client, a server, and

at least one connector therebetween,

a)   the client having an end user application, and being controlled and configured to initiate

        an application request with the server in a first language with a first application program

        and to transmit the application request to the server;

b)   the connector being configured and controlled to receive the application request from the

        client, convert the application request from the first language of the first end user

        application running on the client to a second language and of a form for a transaction

        message formatter running on the server;

c)   the server being configured and controlled to receive the converted application request

        from the connector and processing the said application request in a the second language

        with a second application program residing on the server, and to thereafter transmit a

        response to the application request through the connector back to the first application

        program on the client;

d)   the connector being configured and controlled to receive a the response to the application

        request from the server, to convert a the response to the application request from the

second language running on the ~~application~~ server to the first language of the first application program running on the client; and

e)   wherein connector between the client and the server is configured and controlled to (i) convert the application request from the first language of the client application on the client as a source language to the second language running on the ~~application~~ server as a target language, and (ii) convert the response to the application request from the second language running on the ~~application~~ server as a source language to the first language of the client application running on the client as a target language, each by a method comprising the steps of:

   1)   retrieving connector metamodels of respective source and target languages ~~and target transaction message formatter~~ from a metamodel data repository, ~~said transaction message formatter metadata including a message descriptor, logical page, password, segment, message field, device descriptor, device type, device division, device page and device field~~;

   2)   populating the connector metamodels with metamodel data from the metamodel data repository for each of the respective source and target languages; and

   3)   invoking the retrieved, populated connector metamodels and converting the source language to the target language.

6.   (original): The system of claim 5 wherein the end user application is a web browser.

7.   (currently amended): The system of claim 6 wherein the end user application is

connected to the application server through a web server, and the web server comprises an a

connector.

8.   (currently amended): A transaction processing system configured and controlled to

interact with a client application, and comprising a server, and at least one connector between the

server and the client application, where the client has an end user application, and is controlled

and configured to initiate an application request with the server in a first language with a first

application program and to transmit the application request to the server, wherein:

a)   the client has an end user application, and is controlled and configured to initiate an

       application request with the server in a first language with a first application program and

       to transmit the application request to the server;

a)b) the connector being configured and controlled to receive an the application request from

       the client, convert the application request from the first language of the first end user

       application running on the client to a second language running on the server;

b)c) the server being configured and controlled to receive the converted application request

       from the connector and process the said application request in a the second language with

       a second application program and a target transaction message formatter residing on the

       server, and to thereafter transmit a the response to the application request through the

       connector back to the first application program on the client;

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c)d)   the connector being configured and controlled to receive the response to the application

request from the server, to convert a the response to the application request from the

second language running on the application server to the first language of the first

application program running on the client; and

d)e)   wherein the connector between the client and the server is configured and controlled to (i)

convert the application request from the first language of the client application on the

client as a source language to the second language running on the application server as a

target language, and (ii) convert the response to the application request from the second

language running on the application server as a source language to the first language of

the client application running on the client as a target language, each by a method

comprising the steps of:

1)   retrieving connector metamodel data of respective source and target

languages from a metamodel data repository;

2)   populating the connector metamodels with metamodel data of each of the

respective source and target languages and target the transaction message

formatter, from the metamodel data repository, said target transaction message

formatter metadata including a message descriptor, logical page, password,

segment, message field, device descriptor, device type, device division, device

page and device field; and invoking the retrieved, populated connector

metamodels; and

3)   converting the source language to the target language.

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9. (original): The system of claim 8 wherein the end user application is a web browser.

10. (currently amended): The system of claim 9 wherein the end user application is connected to the application server through a web server, and the web server comprises ~~an~~ a connector.

11. (currently amended): A program product comprising a <u>computer-readable</u> storage medium having invocation metamodel data, application domain interface metamodel data, language metamodel data, and transaction message formatter metamodel data~~, said transaction message formatter metamodel data including a message descriptor, logical page, password, segment, message field, device descriptor, device type, device division, device page and device field~~; and computer instructions for building a metamodel data repository of source and target language metamodel data~~.~~<u>,</u>

<u>wherein said transaction message formatter metamodel data includes a message descriptor, logical page, password, segment, message field, device descriptor, device type, device division, device page and device field.</u>

12. (original): The program product of claim 11 wherein the metamodel data in the repository comprises invocation metamodel data, application domain interface metamodel data, transaction message formatter metamodel data, and type descriptor metamodel data.

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13.   (new): The method of claim 1, further comprising populating the connector metamodels

with metamodel data of the transaction message formatter, a message descriptor, logical page,

password, segment, message field, device descriptor, device type, device division, device page

and device field.

14.   (new): The system of claim 5 wherein the metamodel data repository stores transaction

message formatter metadata including a message descriptor, logical page, password, segment,

message field, device descriptor, device type, device division, device page and device field.

15.   (new): The system of claim 8 wherein the transaction message formatter metadata

includes a message descriptor, logical page, password, segment, message field, device descriptor,

device type, device division, device page and device field.

16.   (new): The program product of claim 11 wherein the computer-readable storage medium

includes computer instructions for building connector stubs from said metamodel metadata.

17.   (new): The program product of claim 11 wherein the computer-readable storage medium

includes computer instructions to build a connector for:

        1)   retrieving connector metamodel data of respective source and target languages

from the metamodel data repository;

2)   populating the connector metamodels with metamodel data of each of the

respective source and target languages and the transaction message formatter, from the

metamodel data repository, and invoking the retrieved, populated connector metamodels; and

3)   converting the source language to the target language.